# NIMA INTERACTING PROTEINS

## Abstract of the Disclosure

A novel class of NIMA interacting proteins (PIN), exemplified by Pin1, is provided. Pin1 induces a G2 arrest and delays NIMA-induced mitosis when overexpressed, and triggers mitotic arrest and DNA fragmentation when depleted. Methods of identifying other Pin proteins and Pin-interacting proteins and identifying compositions which affect Pin activity or expression are also provided.

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